

supervision of the independent laboratory. The sample fails if the visual examination shows that the aid does not conform to the approved design.

(c) If a defect in the thermal protective aid is detected upon visual examination, 10 additional samples from the same lot must be selected at random and examined for the defect.

(d) If one or more of the 10 samples fails the examination, each thermal protective aid in the lot must be examined for the defect for which the lot was rejected. Only thermal protective aids that are free of defects may be sold as Coast Guard approved.

[CGD 84-069b, 51 FR 19343, May 29, 1986; 51 FR 20650, June 6, 1986]

Subpart 160.176—Inflatable Lifejackets

SOURCE: CGD 78-174b, 54 FR 50320, Dec. 5, 1989, unless otherwise noted.

§ 160.176-1 Scope.

(a) This subpart contains structural and performance standards and procedures for approval of inflatable lifejackets, as well as requirements for associated manuals, servicing programs, and shore-side service facilities.

(b) Other regulations in this chapter provide that inflatable lifejackets must be:

(1) Serviced annually at designated servicing facilities; and

(2) Maintained in accordance with their user manuals.

(c) Inflatable lifejackets approved under this subpart—

(1) Rely entirely upon inflation for buoyancy;

(2) Meet the requirements for lifejackets in the 1983 Amendments to the International Convention for the Safety of Life at Sea, 1974 (SOLAS 74/83);

(3) Have performance equivalent to Type I Personal Flotation Devices (PFD's) with any one chamber deflated; and

(4) Are designed to be worn by adults.

§ 160.176-2 Application.

(a) Inflatable lifejackets approved under this subpart may be used to meet carriage requirements for Type I PFD's only on:

(1) Uninspected submersible vessels; and

(2) Inspected vessels for which a servicing program has been approved by the Commandant.

(b) [Reserved]

§ 160.176-3 Definitions.

(a) *Commandant* means the Commandant means the Chief of the Lifesaving and Fire Safety Standards Division. Address: Commandant (CG-ENG-4), Attn: Lifesaving and Fire Safety Division, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue, SE., Washington, DC 20593-7509; telephone 202-372-1392 or fax 202-372-1924.

(b) *First quality workmanship* means construction which is free from any defect materially affecting appearance or serviceability.

(c) *Functional deterioration* means—

(1) Damage such as deformation in hardware or a rip, tear, or loose stitches;

(2) Decline in any performance characteristic; or

(3) Any other change making the lifejacket unfit for use.

(d) *Functional residual capacity* (FRC) means the amount of lung volume a person has remaining at the bottom of the normal breathing cycle when at rest.

(e) *Inflation medium* means any solid, liquid, or gas, that, when activated, provides inflation for buoyancy.

(f) *Inspector* means an independent laboratory representative assigned to perform the duties described in § 160.176-15 of this subpart.

(g) *PFD* means personal flotation device as defined in 33 CFR 175.13.

(h) *Reference vest* means a model AK-1 PFD meeting subpart 160.047 of this part, except that, in lieu of the weight and displacement values prescribed in Tables 160.047-4(c)(2) and § 160.047-4(c)(4), each front insert must have a weight of kapok of at least 8.25 oz. and a volume displacement of 9.0 ±0.25 lb., and the back insert must have a weight of kapok of at least 5.5 oz. and a volume displacement of 6.0 ±0.25 lb. To achieve the specified volume displacement, front insert envelopes may be larger than the dimensions prescribed by § 160.047-1(b).

(i) [Reserved]

(j) *Second stage donning* means adjustments or steps necessary to make a lifejacket provide its intended flotation characteristics after the device has been properly donned and then inflated.

[CGD 78-174b, 54 FR 50320, Dec. 5, 1989, as amended by CGD 95-072, 60 FR 50466, Sept. 29, 1995; CGD 96-041, 61 FR 50733, Sept. 27, 1996; USCG-2009-0702, 74 FR 49238, Sept. 25, 2009; USCG-2013-0671, 78 FR 60159, Sept. 30, 2013]

§ 160.176-4 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish a notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at Coast Guard Headquarters. Contact Commandant (CG-ENG-4), Attn: Lifesaving and Fire Safety Division, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue, SE., Washington, DC 20593-7509. You may also inspect this material or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. All material is available from the sources listed below.

(b) ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, 877-909-2786, <http://www.astm.org>.

(1) ASTM B 117-97, Standard Practice for Operating Salt Spray (Fog) Apparatus, incorporation by reference approved for §§ 160.176-8; 160.176-13.

(2) ASTM D 751-95, Standard Test Methods for Coated Fabrics, incorporation by reference approved for § 160.176-13.

(3) ASTM D 975-98, Standard Specification for Diesel Fuel Oils, incorporation by reference approved for § 160.176-13.

(4) ASTM D1434-82 (Reapproved 2009)ε¹, Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting—

(approved May 1, 2009), incorporation by reference approved for § 160.176-13.

(c) Federal Aviation Administration, Aircraft Certification Service, 800 Independence Avenue SW., Washington, DC 20591, 202-385-6346, http://www.faa.gov/aircraft/air_cert/design_approvals/tso.

(1) TSO-C13d, Federal Aviation Administration Standard for Life Preservers, January 3, 1983, incorporation by reference approved for § 160.176-8.

(2) [Reserved]

(d) DLA Document Services, 700 Robbins Avenue, Building 4/D, Philadelphia, PA 19111-5094, 215-697-6396, <http://www.asistdocs.com>.

(1) In Federal Test Method Standard No. 191A (dated July 20, 1978) the following methods:

(i) Method 5100, Strength and Elongation, Breaking of Woven Cloth; Grab Method, incorporation by reference approved for § 160.176-13.

(ii) Method 5132, Strength of Cloth, Tearing; Falling-Pendulum Method, incorporation by reference approved for § 160.176-13.

(iii) Method 5134, Strength of Cloth, Tearing; Tongue Method, incorporation by reference approved for § 160.176-13.

(iv) Method 5804.1, Weathering Resistance of Cloth; Accelerated Weathering Method, incorporation by reference approved for § 160.176-8.

(v) Method 5762, Mildew Resistance of Textile Materials; Soil Burial Method, incorporation by reference approved for § 160.176-8.

(2) Federal Standard No. 751a, Stitches, Seams, and Stitching, January 25, 1965, incorporation by reference

(3) MIL-L-24611—Life Preserver Support Package For Life Preserver, MK 4, dated May 18, 1982, incorporation by reference approved for § 160.176-8.

(e) National Institute of Standards and Technology (NIST) (formerly National Bureau of Standards), c/o Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, 202.512.1800, <http://www.gpo.gov>.

(1) Special Pub. 440, *Color: Universal Language and Dictionary of Names*; “The Universal Color Language” and “The Color Names Dictionary”, 1976, incorporation by reference approved for § 160.176-9.

(2) [Reserved]